### INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/19453

A. CLASSIFICATION OF SUBJECT MATTER PC(7) : C07D 491/044; A61K 31/407		
US CL: 548/453; 514/421 According to International Patent Classification (IPC) or to both nat	ional classification and IPC	
B. FIELDS SEARCHED	ional crassification and is C	
	- desification graphole)	
Minimum documentation searched (classification system followed by U.S.: 548/453; 514/421	y classification symbolsy	
Documentation searched other than minimum documentation to the	extent that such documents are included in	the fields searched
Electronic data base consulted during the international search (name CAS ONLINE	e of data base and, where practicable, sear	ch terms used)
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category * Citation of document, with indication, where ap		Relevant to claim No.
A WO 02/47610 A2 (FENICAL et al) 20 June 2002 (20		
Further documents are listed in the continuation of Box C.	See patent family annex.	
Special categories of cited documents:	"T" later document published after the inte	mational filing date or priority
"A" document defining the general state of the art which is not considered to be of narficular relevance	date and not in conflict with the appli- principle or theory underlying the inv	ation but cited to understand the aution
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone	claimed invention cannot be red to involve an inventive step
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"  document of particular relevance; the considered to involve an inventive ste combined with one or more other sud	when the document is
"O" document referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in th	e art
"  document published prior to the intermediented filling date but later than the priority date claimed	"it." document member of the same patent	Amily
Date of the actual completion of the international search	Date of mailing of the international sear	
13 October 2004 (13.10.2004)	29 NO	V 2004
Name and mailing address of the ISA/US	Authorized officer	
Mail Stop PCT, Attn: ISA/US	Fiona T. Powers D	BORAH A. THOMAS
Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450	Telephone No. 703-308-1235	ALEGAL SPECIALIST
Facsimile No. (703) 305-3230	L	
Form PCT/ISA/210 (second sheet) (January 2004)		

### PATENT COOPERATION TREATY

D	YMPO	 PCT	
r			

INTERNATIONAL SEARCHING AUTHORITY

From the

Lisa A Haile

## WRITTEN OPINION OF THE

Lisa A faile Gray, Gary, Ware & Freidenrich LLP 4365 Executive Drive, Suite 1100 San Diego, California 92121-2133			TTEN OPINION OF THE DNAL SEARCHING AUTHORITY  (PCT Rule 43bis.1)	
		Date of mailing (day/month/year)	39 NOA 5004	
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below		
International application No.	International filing date (a	day/month/year)	Priority date (day/month/year)	
PCT/US04/19453	18 June 2004 (18.06.2004	4)	20 June 2003 (20.06.2003)	
International Patent Classification (IPC)			·	
IPC(7): C07D491/044; A61K 31/407 an	d US Cl.: 548/453; 514/42	1		
THE REGENTS OF THE UNIVERSIT	Y OF CALIFORNIA			
This opinion contains indications re	lating to the following item:	s:		
Box No. I Basis of th	e opinion			
Box No. II Priority	Priority			
Box No. III Non-estable	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
Box No. IV Lack of un	Lack of unity of invention			
Box No. V Reasoned applicabili	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
Box No. VI Certain do	Certain documents cited			
Box No. VII Certain de	Certain defects in the international application			
Box No. VIII Certain ob	Box No. VIII Certain observations on the international application			
2. FURTHER ACTION			the section of the section	
	ing Authority ("IPEA") ex the IPEA and the chosen	ccept that this doe: IPEA has notified t	be considered to be a written opinion of the s not apply where the applicant chooses an he International Bureau under Rule 66.1bis(b) idered.	
IPEA a written reply together, w mailing of Form PCT/ISA/220 or	where appropriate, with an before the expiration of 22	nendments, before	PEA, the applicant is invited to submit to the the expiration of 3 months from the date of iority date, whichever expires later.	
For further options, see Form PC	1/ISA/220.			
3. For further details, see notes to Fe	orm PCT/ISA/220.			
Name and mailing address of the ISA/	US	Authorized offic	DEBORAH A. THOMAS	
Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Fiona T. Power		
P.O. Box 1450 Alexandria, Virginia 22313-145 Facsimile No. (703) 305-3230	0	Telephone No.	703-308-1235 Left	

#### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/US04/19453

Box No. I Basis of this opinion 1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)). 2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of: a. type of material a sequence listing table(s) related to the sequence listing b. format of material in written format in computer readable form c. time of filing/furnishing contained in international application as filed. filed together with the international application in computer readable form. furnished subsequently to this Authority for the purposes of search. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished. 4. Additional comments:

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/19453

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Stateme	ent			
	Novelty (N)	Claims	1-14	YES
	•	Claims	NONE	NO
	Inventive step (IS)	Claims	1-14	YES
		Claims	NONE	NO
	Industrial applicability (IA)	Claims	1-14	YES
		Claims	NONE	NO
Claims 1 to 14 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in industry.				